WHAT IS CLAIMED:

- 1 1. A fluid supply system for supplying a first fluid or a
- 2 second fluid to a press, the fluid supply system comprising:
- a first supply line plumbed to supply the first fluid to the
- 4 press;
- 5 a first supply valve in said first supply line to control
- 6 flow in the first supply line;
- a second supply line plumbed to supply the second fluid to
- 8 🚇 the press;
- 9 @ a second supply valve in said second supply line to control
- 10 flow in the second supply line;
- a first return line connected to drain fluid from the press;
- 12 🎉 a conduit in communication with said first and second supply
- 13 lines and said first return line; and
- 14 a conduit valve in said conduit to control flow through the
- conduit, wherein opening the conduit valve enables fluid from the
- 16 first or the second supply line through the conduit to by-pass
- the press.

- 1 2. The fluid supply system of claim 1, further comprising:
- a programmable logic controller connected to actuate at
- 3 least one of said first supply valve, second supply valve, and
- 4 conduit valve to control fluid flow through the fluid supply
- 5 system.
- 1 4 3. The fluid supply system of claim 2, further comprising:
- 2 a pump in communication with said programmable logic
- 3 di controller, said pump further being connected to at least one of
- 4 * said first supply line, said second supply line, said first
- 5 # return line and said second return line for selectively moving
- 6 h fluid therethrough.
- 1 4. The fluid supply system of claim 3, further comprising:
- a first fluid supply line adapted to be connected to a first
- 3 fluid supply source;
- a first fluid return line adapted to be connected to said
- 5 first fluid supply source;
- a second fluid supply line adapted to be connected to a
- 7 second fluid supply source; and

- 8 a second fluid return line adapted to be connected to said
- 9 second fluid supply source.
- 1 5. The fluid supply system of claim 2, further comprising a
- 2 first sensor means electrically connected to said programmable
- 3 logic controller for detecting a fluid level in a first fluid
- 4 supply source.

- 1 6. The fluid supply system of claim 2, further comprising
- 2 second sensor means electrically connected to said programmable
- 3 logic controller, for detecting a fluid level in said second
- 4 fluid supply source.
- 1 🍶 7. The fluid supply system of claim 5, wherein said first
- 2 sensor means is a non-contact level sensor.
- 1 8. The fluid supply system of claim 6, wherein said second
- 2 sensor means is a non-contact level sensor.
- 1 9. The fluid supply system of claim 2, wherein said conduit
- 2 valve is electrically connected to said programmable logic
- 3 controller.

- 1 10. The fluid supply system of claim 3, further comprising:
- 2 a cleaning fluid supply source for containing cleaning
- 3 fluid, said cleaning fluid supply source being connected to said
- 4 pump, said cleaning fluid supply source in combination with said
- 5 pump being adapted to circulate water in a predetermined manner
- 6 through at least two of said first supply line, said second
- 7 supply line, said first return line, said second return line,
- 8 🦚 said supply tube, said drain tube, and said conduit.
- 1 # 11. The fluid supply system of claim 9, wherein cleaning fluid
- $2 \ \text{m}$ in said cleaning fluid supply source is maintained at a
- 3 # predetermined elevated temperature by a heating element.
- 1 🌬 12. The fluid supply system of claim 11, wherein said first
- 2 supply line is thermally coupled to said cleaning fluid of said
- 3 cleaning fluid supply source for selectively heating said first
- 4 fluid.

jo,

- 1 13. The fluid supply system of claim 11, wherein said second
- 2 supply line is thermally coupled to said cleaning fluid of said

- 3 cleaning fluid supply source for selectively heating said second
- 4 fluid.
- 1 14. The fluid supply system of claim 1, wherein said first fluid
- 2 is aqueous fluid, and said second fluid is a fluid that is
- 3 reactive to ultra-violet light.
- 1 15. The fluid supply system of claim 9, wherein when said
- 2 🙀 conduit valve means is positioned to allow cleaning fluid from a
- 3 cleaning fluid source to be pumped by a pump through said first
- 4 supply line, said first valve member, said conduit, said supply
- 5 tube and said drain tube to clean the fluid supply system.
- $1 \frac{1}{4} / 16$. A method of supplying fluid to a press, said method
- 2 comprising the steps of:
- 3 supplying a first fluid to and from said press via a supply
- 4 tube and a drain tube respectively, said supply tube and said
- 5 drain tube being connected by a conduit means, said conduit means
- 6 comprising a first valve in a closed position;
- 7 stopping the supply of said first fluid
- 8 draining said first fluid from said press via said drain
- 9 tube;

10			switching from said first fluid to a cleaning fluid;
11			adjusting said conduit means to an open position which
12		allow	s fluid flow therethrough;
13			supplying said cleaning fluid through said supply tube, said
14		drain	tube and said conduit means;
15			stopping the supply of said cleaning fluid;
16			draining said cleaning fluid from said supply tube, said
17		drair	tube and said conduit means;
18			switching from said cleaning fluid to a second fluid;
19	7 1		placing said first valve in a closed position to prevent
20		fluic	flow therethrough; and
21			supplying a second fluid to and from said press via said
22	37.33	suppl	y tube and said drain tube.
1	14.	17.	The method of claim 16, further comprising the step of
2		stopp	ping the supply of said second fluid.
1		18.	The method of claim 17, further comprising the step of

- 1 19. The method of claim 18, wherein said method is repeated
- 2 after said step of draining said second fluid from said press.

draining said second fluid from said press via said drain tube.

2

2	switching from said second fluid to said cleaning fluid;
3	adjusting said conduit means to allow fluid flow
4	therethrough;
5	supplying said cleaning fluid through said supply tube, said
6	drain tube and said conduit means;
7 (1)	stopping the supply of said cleaning fluid; and
8 44	draining said cleaning fluid.
1 (1)	21. The method of claim 16, wherein said conduit means further
2	comprises a second valve.
	22. A fluid supply structure, comprising:
2 岸	a container bung adapted to fit in a lid portion of a
3	container;
4	a fluid supply line for supplying a fluid from said
5	container to a printing system, attached and extending through
6	said container bung into said container;
7	a fluid return line, for returning a fluid to said container
8	from a printing system, attached to and having a portion
9	extending through said container bung into said container; and

20. The method of claim 18, further comprising the steps of:

1

- 10 a sensor, positioned on said container bung adapted to
- 11 measure a fluid level in said container.
 - 1 23. The fluid supply structure of claim 22, wherein said fluid
 - 2 return line has a plurality of slots on the portion extended
 - 3 through said container bung for dissipating gases from said fluid
 - 4 line to aid the minimization of foaming of said fluid.

THE PROPERTY OF THE PROPERTY O